WEST Search History

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DATE: Friday, March 19, 2004

Hide?	Set Name	Query	Hit Count
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☐	L5	5832502[uref]	3
☐	L4	L3 same index$	5
☐	L3	(e-mail or electronic mail or electronic object or electronic calendar$ or electronci messag$ or electronic document) same ((relational or nodal or hierarch$ or logical) near3 (view$ or display$))	83
☐	L2	6073137[uref]	7
☐	L1	(e-mail or electronic mail or electronic object or electronic calendar$ or electronci messag$ or electronic document) same ((relational or nodal or hierarch$ or logical) near3 (view$ or display$)) same (basket or folder or mailbox) same(sort$ or organiz$ or arrang$)	6

END OF SEARCH HISTORY

h   e b   b cg b   chh   e ff c e   f ff e ch   e   h   e e

First Hit

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L1: Entry 1 of 6   File: PGPB   Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030069900
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030069900 A1

TITLE: Adaptive indexing technique for use with electronic objects

PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hind, John R.	Raleigh	NC	US	
Miyamoto, Hiroyuki	Lexington	MI	US	
Salahshour, Abdolreza	Raleigh	NC	US	

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY		02

APPL-NO: 09/ 973883   [PALM]
DATE FILED: October 10, 2001

INT-CL: [07] G06 F 7/00

US-CL-PUBLISHED: 707/200
US-CL-CURRENT: 707/200

REPRESENTATIVE-FIGURES: 2

ABSTRACT:

Methods, systems, and computer program products for organizing and viewing
electronic objects (such as incoming electronic mail messages, documents, and so
forth) according to relationships among the objects. Objects may be organized
according to user-selectable, node-specific criteria. These criteria may be
dynamically learned, based upon a particular user's behavior, using the disclosed
techniques.

RELATED INVENTION

[0001] The present invention is related to commonly-assigned U.S. Pat. No. _____
(Ser. No. 09/____), which is titled "Relational View of Electronic Objects" and
which was filed concurrently herewith.

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L1: Entry 2 of 6   File: PGPB   Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030069892
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030069892 A1

TITLE: Relational view of electronic objects

PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hind, John R.	Raleigh	NC	US	
Miyamoto, Hiroyuki	Lexington	MA	US	
Salahshour, Abdolreza	Raleigh	NC	US	

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY		03

APPL-NO: 09/ 973864   [PALM]
DATE FILED: October 10, 2001

INT-CL: [07] G06 F 7/00

US-CL-PUBLISHED: 707/103.00X
US-CL-CURRENT: 707/103X

REPRESENTATIVE-FIGURES: 2

ABSTRACT:

Methods, systems, and computer program products for organizing and viewing electronic objects (such as incoming electronic mail messages, documents, and so forth) according to relationships among the objects. Objects may be organized according to user-selectable, node-specific criteria These criteria may be dynamically learned, based upon a particular user's behavior, using the disclosed techniques.

Related Invention

[0001] The present invention is related to commonly-assigned U.S. Pat. No. _____ (Ser. No. 09/_____), which is titled "Adaptive Indexing Technique for Use with Electronic Objects" and which was filed concurrently herewith.

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L1: Entry 3 of 6   File: PGPB   Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020073156
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020073156 A1

TITLE: Method and system for mail folder displays

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:
NAME   CITY   STATE   COUNTRY   RULE-47
Newman, Paula S.   Los Altos   CA   US

ASSIGNEE-INFORMATION:
NAME   CITY   STATE   COUNTRY   TYPE CODE
Xerox Corporation   02

APPL-NO: 09/ 732023   [PALM]
DATE FILED: December 8, 2000

INT-CL: [07] G06 F 15/16

US-CL-PUBLISHED: 709/206
US-CL-CURRENT: 709/206

REPRESENTATIVE-FIGURES: 2

ABSTRACT:

A method and apparatus for displaying mail folders. Each display treatment can
present messages in different categories at various levels of granularity and
messages in a particular category can be presented in various ways on alternative
displays. Additionally, categories can be nested and the nesting can be reflected
in different ways on different displays.

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First Hit   Fwd Refs
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L1: Entry 6 of 6   File: USPT   Mar 16, 1999

US-PAT-NO: 5884321
DOCUMENT-IDENTIFIER: US 5884321 A
** See image for **Certificate of Correction** **

TITLE: Document image and query management system for application databases

DATE-ISSUED: March 16, 1999

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Meffert; Gregory John	New Orleans	LA	70124	

APPL-NO: 08/ 948653   [PALM]
DATE FILED: October 10, 1997

PARENT-CASE:
This is a continuation of application Ser. No. 08/408,710, filed Mar. 22, 1995, now abandoned.

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 707/104; 707/100
US-CL-CURRENT: 707/104.1; 707/100

FIELD-OF-SEARCH: 707/104, 707/100

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected   Search ALL   Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4468732	August 1984	Raver	364/200
☐	4817050	March 1989	Komatsu	364/900
☐	4907188	March 1990	Toshika	364/900
☐	4958283	September 1990	Toshika	364/413.13
☐	5012405	April 1991	Hitachi	364/200
☐	5050071	September 1991	Harris	364/200
☐	5089956	February 1992	IBM	395/600
	5093911	March 1992	IBM	395/600

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☐ 5101345   March 1992   IBM   395/800

☐ 5179718   January 1993   IBM   395/800

☐ 5185857   February 1993   Rozmanith   395/148

☐ 5201048   April 1993   Axxess   395/600

☐ 5206951   April 1993   Khoyi et al.   395/683

☐ 5257369   October 1993   Skeen et al.   395/650

☐ 5280609   January 1994   IBM   395/600

☐ 5345586   September 1994   Hamala et al.   395/650

☐ 5404435   April 1995   Rosenbaum   395/147

☐ 5455945   October 1995   Vanderdrift   395/600

☐ 5581760   December 1996   Atkinson   395/700

OTHER PUBLICATIONS

System Administrator's Guide for ZYDECO Document and Information Management System.
Administrator's Guide for ZYDECO Utilities.

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Min; Donald

ATTY-AGENT-FIRM: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

ABSTRACT:

Users define virtual views to generate and execute queries across one or more
existing application databases in order to implement new applications, including
applications that require viewing images linked to existing database records.
Mainframe, minicomputer or client-server computer system-based users link
electronic documents stored in distributed or centralized image storage volumes on
a PC-based system to existing database records, and retrieve those electronic
documents when the linked database record is retrieved.

14 Claims, 9 Drawing figures

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L2: Entry 5 of 7   File: USPT   Dec 26, 2000

US-PAT-NO: 6167402
DOCUMENT-IDENTIFIER: US 6167402 A

TITLE: High performance message store

DATE-ISSUED: December 26, 2000

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Yeager; William J.   Menlo Park   CA

ASSIGNEE-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY   TYPE CODE
Sun Microsystems, Inc. Palo Alto   CA   02

APPL-NO: 09/ 067537   [PALM]
DATE FILED: April 27, 1998

PARENT-CASE:
This application is related to U.S. patent application Ser. No. 09/067,497 filed on
the same date herewith and commonly assigned, entitled "METHOD AND APPARATUS FOR
HIGH PERFORMANCE ACCESS TO DATA IN A MESSAGE STORE," U.S. patent application Ser.
No. 09/067,546 filed on the same date herewith and commonly assigned, entitled
"METHOD AND APPARATUS FOR DETECTING INPUT DIRECTED TO A THREAD IN A MULTI-THREADED
PROCESS," and U.S. application Ser. No. 09/067,567 filed on the same date herewith
and commonly assigned, entitled "CRITICAL SIGNAL THREAD," which are incorporated
herein by reference.

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/10; 709/206, 709/207, 358/402
US-CL-CURRENT: 707/10; 358/402, 709/206, 709/207

FIELD-OF-SEARCH: 707/10, 709/206, 709/207, 358/402

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

█ Search Selected █ █ Search ALL █ █ Clear █

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5613108	March 1997	Morikawa	707/200
☐	5644404	July 1997	Hashimoto et al.	358/402

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☐	5870549	February 1999	Bobo, II	709/206
☐	5999932	December 1999	Paul	707/10
☐	6029164	February 2000	Birrell et al.	707/3
☐	6073137	June 2000	Brown et al.	707/104

OTHER PUBLICATIONS

Crispin, M., "Internet Message Access Protocol, " University of Washington, (1996), pp. 1-93.

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Trinh; William

ATTY-AGENT-FIRM: Beyer Weaver & Thomas, LLP

ABSTRACT:

A product and method are disclosed for creating an efficient message store and delivery system is provided. A message store having an index directory, index file, and data bucket area, all of which are page based, is described. Each page corresponds to a period of time, such as a day. Each data bucket contains message data and the actual content of the message. The index file contains index file cells which store index information characterizing an associated message. The index directory contains index directory cells which store information on the location of an associated index file cell, and is thereby associated with a message. It also includes page based user folders each having user cells which reference a message, associated with a user, in the user store. A message includes a reference pointer to an associated index file cell and a reference pointer to an associated index directory cell. An index directory pointer in the user cell, an index file pointer in the index directory cell, a message pointer in the index file cell, and two pointers in the message allow the message store to reconstruct itself if necessary.

38 Claims, 13 Drawing figures

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L4: Entry 4 of 5   File: USPT   Nov 3, 1998

US-PAT-NO: 5832502
DOCUMENT-IDENTIFIER: US 5832502 A
** See image for Certificate of Correction **

TITLE: Conversation index builder

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Durham; Peter E.	Bellevue	WA		
Benson; Max L.	Redmond	WA		
Apacible; Miu Fung Ang	Redmond	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA			02

APPL-NO: 08/ 674352   [PALM]
DATE FILED: July 2, 1996

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 707/104; 395/200.36
US-CL-CURRENT: 707/104.1; 709/206

FIELD-OF-SEARCH: 395/601, 395/611, 395/612, 395/613, 395/614, 395/615, 395/616, 395/77, 395/412, 395/200.01, 395/200.36, 382/115, 707/1, 707/100, 707/101, 707/102, 707/103, 707/104, 707/200

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL | | Clear |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5218699	June 1993	Brandle et al.	395/650
☐	5247676	September 1993	Ozur et al.	395/650
☐	5283856	February 1994	Gross et al.	395/51
☐	5333266	July 1994	Boaz et al.	395/200.36

OTHER PUBLICATIONS

h   e b   b cg b cc   e

Shirley, John and Rosenberry, Ward, "Microsoft RPC Programming Guide", O'Reilly & Associates, 1995.
Kramer, Matt, "Baranof's MailCheck 2.6 Delivers Improved Tools", PC Week, Sep. 11, 1995, Ziff-Davis Publishing Company 1995.
Frenkel, Gary, "cc:Mail View Keeps an Eye on Your Messaging System", Network Computing, Jun. 1, 1995, CMP Publications, Inc., 1995.

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Ho; Buay Lian

ATTY-AGENT-FIRM: Workman, Nydegger & Seeley

ABSTRACT:

A technique for generating a unique record index for a collection of data records. A parent index is generated and attached to a parent data record, and serves as the record index. When a child data record is generated, a child index is generated and is appended to its parent index, and the combination is the record index for that child data record. The record index allows a collection of data records to be sorted and displayed efficiently according to their logical position in a collection. The technique finds application in an electronic mail messaging system, wherein a conversation index is generated for each electronic message.

16 Claims, 7 Drawing figures

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